▲▲▲ WOODCOCK WASHBURN

INTELLECTUAL PROPERTY LAW
ATLANTA • PHILADELPHIA • SEATTLE

SEATTLE OFFICE
999 Third Avenue, Suite 3600
Seattle, WA 98104
206-332-1380
Fax: 206-624-7317

FACSIMILE

DATE: **July 7, 2008**   JOB CODE:

Please deliver this and the following pages to:

Name:	**Melvin Pollack**
Company/Firm:	**USPTO**
Telecopier No.:	**1-571-273-3887**
Client/Matter No.:	**0323**
Sender's Name:	**Greg Plichta**
Pages to Follow:	**7**

If transmission is not complete, please call our **Seattle Office at (206) 332-1380.**

COVER MESSAGE:

Applicant Initiated Interview Request Form

Application No.: _09/838,436_   First Named Applicant: _Istvan Cseri_

Examiner: _Melvin Pollack_   Art Unit: _2145_   Status of Application: _Non-final_

Tentative Participants:

(1) _Greg Plichta_   (2) _Melvin Pollack_

(3) _____   (4) _____

Proposed Date of Interview: _July 8, 2008_   Proposed Time: _1pm EST_ AM/PM

(10 am PST)

Type of Interview Requested:

(1) ☑ Telephonic   (2) ☐ Personal   (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES   ☑ NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) _Rej._	_1, 12, 16_	_Hind + Snow_	☐	☐	☐
(2) _____	_____	_____	☐	☐	☐
(3) _____	_____	_____	☐	☐	☐
(4) _____	_____	_____	☐	☐	☐

☐ Continuation Sheet Attached

Brief Description of Argument to be Presented:

See attached — proposed amendments

_____

An interview was conduction on the above-identified application on _____.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature   Examiner/SPE Signature

Typed/Printed Name of Applicant or Representative

Registration Number, if applicable

DOCKET NO.: MSFT-0323/167389.01   **PATENT**
Application No.: 09/838,436
Office Action Dated: February 11, 2008

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (previously presented) A method for generating a data stream according to a binary format of a tag-based description language, comprising:

      receiving a plurality of tag names;

      receiving a plurality of attribute names;

      identifying tag names from said plurality of tag names;

      identifying attribute names from said plurality of attribute names;

      tokenizing tag names into numeric tokens;

      tokenizing attribute names into said numeric tokens;

      wherein said data stream comprises of said tokenized tag names and said tokenized attribute name, and wherein said data stream further comprises binary primitive types when such primitive types were originally in binary format;

      wherein said numeric tokens are configured to be variable-sized; and

      wherein said numeric tokens are configured for incremental output and parsing thereby obviating a global token table at the beginning of said data stream.

2.   (canceled) ~~A method according to claim 1, further comprising: tokenizing attribute names into numeric tokens.~~

3.   (canceled) ~~A method according to claim 1, wherein said numeric tokens for tag names are variable-sized.~~

4.   (canceled) ~~A method according to claim 2, wherein said numeric tokens for attribute names are variable sized.~~

5.   (canceled) ~~A method according to claim 2, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.~~

6.   (original) A method according to claim 1, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream the first time a tag name is

encountered for purposes of recreating the tag names by a device that receives the data stream.

7.   (original) A method according to claim 1, wherein the tag-based description language is extensible markup language (XML).

8.   (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases the time elapsed parsing the data stream by a device that receives the data stream, the time being decreased relative to the parsing of a corresponding text-based format of the tag-based description language.

9.   (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases overhead incident to formatting data for representation according to the tag-based description language.

10.   (original) A method according to claim 2, wherein the tokenizing of the tag and attribute names decreases the size of the resulting data file formatted according to the tag-based description language.

11.   (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of claim 1.

12.   (currently amended) A computer storage medium bearing computer executable instructions for carrying out the method of receiving a well-formed document in a text format of a tag-based description language and converting the document to a binary format via tokenization of the tag and attribute names into numeric tokens, comprising:

        tokenizing said tag and attribute names into a set of numeric tokens;
        wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into a data stream;
        wherein said tokenization of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives said data stream; and
        wherein the numeric tokens are in incrementally consumable form.

13.   (canceled) ~~A computer readable medium according to claim 12, wherein said tokenization of attributes enables values natively stored as binary data types to be inserted into the data stream.~~

14.   (original) ~~A computer readable medium according to claim 12, wherein said tokenization of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives the data stream.~~

15.   (original) A computer readable medium according to claim 12, said receiving includes receiving a document formatted according to a text format of XML.

16.   (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of assembling data into a document according to a binary format and then parsing said document back into text format [[by]], comprising:
        tokenizing the tag and attribute names into variable sized numeric tokens, wherein the numeric tokens are in incrementally consumable form;
            including in said tokenizing any binary primitives and name definition constructs;
            configuring said document to be parsed at a remote location into said text format;
            wherein at said remote location said document is configured to be consumed in numeric token form incrementally by breaking up at least one long token of said numeric tokens into predetermined and manageable pieces; and
            wherein said numeric tokens are configured to designate token types in their first series of bytes.

17.   (canceled) ~~A computer readable medium according to claim 16, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.~~

18.   (canceled) ~~A computer readable medium according to claim 16, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream~~

~~the first time a tag-name is encountered for purposes of recreating the tag names by a device~~
~~that receives the data stream.~~

19.   (currently amended) A computer readable medium according to claim 16, ~~said~~
~~receiving includes~~ further comprising receiving [[a]] said document that is formatted
according to a text format of XML.

20.   (previously presented) A computer storage medium bearing computer executable
instructions for carrying out the method of receiving a document formatted according to a
binary format of a tag-based description language and directly parsing the data in the
document for use by another element in a computer system~~. *(crossed out handwriting)*~~

21.   (original) A computer readable medium according to claim 20, wherein before said
parsing, said method includes converting the document to a text format of the tag-based
description language.

22.   (original) A computer readable medium according to claim 20, wherein said
receiving includes receiving a document formatted according to a binary format of XML.

23.   (previously presented) A computing device, comprising:
       means for receiving a well-formed document in a text format of a tag-based
description language;
       means for converting the document to a binary format via tokenization of the tag and
attribute names into variable sized numeric tokens; and
       means for converting the document back to the text format without a loss of fidelity.

24.   (original) A computing device according to claim 23, wherein said tokenization of
attributes enables values natively stored as binary data types to be inserted into the data
stream.

25.   (original) A computing device according to claim 23, wherein said tokenization of
tag names includes inserting a name definition construct into the data stream the first time a

Page 5 of 8

DOCKET NO.: MSFT-0323/167389.01   **PATENT**
Application No.: 09/838,436
Office Action Dated: February 11, 2008

tag name is encountered for purposes of recreating the tag names by a device that receives the data stream.

26.   (original) A computing device according to claim 23, said tag-based description language is XML.

27.   (previously presented) In a system in which a transmitting device transmits in a streaming fashion data formatted according to a tag-based description language, a method for generating a data stream according to a binary format of the tag-based description language, comprising:

for each unique tag name, at the first time a tag name of the data is encountered, tokenizing the tag name into a numeric token and transmitting the token and the text associated with the tag name; and

at any time subsequent to the first time that the tag name of the data is encountered, transmitting the numeric token without the text.

28.   (original) A method according to claim 27, further comprising:
tokenizing attribute names into numeric tokens.

29.   (canceled)

30.   (original) A method according to claim 27, wherein said numeric tokens for tag names are variable sized.

31.   (original) A method according to claim 28, wherein said numeric tokens for attribute names are variable sized.

32.   (original) A method according to claim 28, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream.

33.   (original) A method according to claim 27, wherein the tag-based description language is extensible markup language (XML).

34.   (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases the time elapsed parsing the data stream by a device that receives the data stream, the time being decreased relative to the parsing of a corresponding text-based format of the tag-based description language.

35.   (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases overhead incident to formatting data for representation according to the tag-based description language.

36.   (original) A method according to claim 28, wherein the tokenizing of the tag and attribute names decreases the size of the resulting data file formatted according to the tag-based description language.

37.   (previously presented) A computer storage medium bearing computer executable instructions for carrying out the method of claim 27.

38.   (previously presented) A method for generating a data stream according to an XML binary format, comprising:

tokenizing tag names and attribute names into variable sized numeric tokens, wherein said tokenizing of attributes enables values natively stored as binary data types to be inserted into the data stream, wherein said tokenizing of tag names includes inserting a name definition construct into the data stream the first time a tag name is encountered for purposes of recreating the tag names by a device that receives the data stream, thereby decreasing parsing time.

39.   (previously presented) The method according to claim 27, wherein said data is transmitted incrementally, and whereby a receiving device parses said data as it is incrementally received by the receiving device.